

APPLICATION TO: Drill X



API# 11-075-200

IDAHO OIL AND GAS CONSERVATION COMMISSION Application For Permit to Drill, Deepen or Plug Back

Deepen [

Plug Back [

NAME OF COMPANY OR OPERATO				0
Address: 1580 Lincoln Street, Suite				***************************************
City: Denver				
Distance, in miles, and direction from	nearest town or po	ost office. <u>Approximate</u>	iy 0.7 mile south of New Plymout	<u>n, 10</u>
State Lease O-0198 Name of Lease: (Shoemaker)		N OF WELL AND LEAS		aval varvero sumissioniste
Well Location: Section: 16 Tow				
Field and Reservoir (if wildcat, so stat		· · · · · · · · · · · · · · · · · · ·		
Nearest distance from proposed locat				
Distance from proposed location to ne				
Proposed depth: 2,500 ft				
Approx date work will start: August 1		•		
Number of wells on lease, including the				
If lease purchased with one or more v				
Purchased from (name) <u>N/A</u>	•	•		
Address of above N/A				
Status of bond N/A				
Remarks: (If this is an application to o				na zone
and expected new producing zone) S		•		_
	arroy plate and a	ining progressio are at	301041	
Please direct any inquiries to Ryan	Morgan, P.E. (Ce	entra Consulting, Inc.)	at 1-208-338-9400.	
State of Idaho Lease # O-01982 . I	ease Description	: Sec. 16: S2NE, W2N	W, SENW, S2, 7N-4W.	
CERTIFICATE: I, the undersigne of Bridge Energy, Inc. authorized by said company to make			(company) and th	
direction and that the facts stated here	ein are true, correc	ct and complete to the b	est of my knowledge.	
Date: 8//3//o	Signature:	Ryon E	Marger	
Permit Number: <u>LU600025</u> App	proval Date:	Approved by: _		
NOTICE) EN SOITON	r . be sure that you	have given all informat	ion requested. See instructions or	ı back.

AUG 1 3 2010

FORM P-1 Authorized by Order No. 2 Rev. 08/14/07

DRILLING PROGNOSIS BRIDGE ENERGY, LLC

Shoemaker #1-16 (Hamilton Shoemaker Prospect) NW/4 NW/4 of Section 16-Township 7N-Range 4W

Payette County, Idaho

July 22, 2010

GENERAL

NOTE:

This well is to be drilled as a tight hole. Unauthorized personnel are not to be

allowed on the rig floor, and all information is to be kept confidential.

Surface Location:

155' FNL and 772' FWL (NWNW), Section 16-T7N-R4W

Bottomhole Location:

Same

Proposed TD/Objective:

TD 2500' /

Elevation:

2,322' GL (ungraded); 2,340' KB (estimated).

Drilling Rig:

WHS Razorback.

MECHANICAL

Casing Design:

<u>SIZE</u>	INTERVAL	LENGTH	DESCRIPTION	<u>SFt</u>	SFc	<u>SFb</u>
16"	0' - 82'	82'	Conductor (0.219" WT)			
9-5/8"	0'-600+'	600+'	36#, J-55, STC	21.9	8.18	7.04
5-1/2"	0' - 2500'	2,500'	17#, J-55, STC	2.69	1.60	1.91
2-7/8"	0' - 2500'	2.500°	6.5# J-55 EUE	3 16	3.05	1.45

NOTE: If mud weight exceeds 10.0 ppg at TD, casing design may be altered. Clean and drift all strings of casing prior to running. Remove all thread sealant (Kindex) prior to running. Unload production casing and tubing strings with a forklift.

CEMENT

CASING/HOLE SIZE YIELD	CEMENT SLURRY	<u>SX</u>	<u>PPG</u>
16" - 24"	Cement to surface with 4 yds Redi-mix.		
9-5/8" - 12-1/4"	Lead: Premium Light cement + 2% CaCl ₂ + 1/4 pps flocele	100	12.0
2.27	Tail: Class G + 2% CaCl ₂ + 1/4 pps flocele	100	15.8
1.15	**		

NOTE: Precede cement with 50 bbl fresh water. Have 100 sx neat cement and one-inch tubing on location for topping-off. Cement volume has been calculated assuming 100% excess.

Drilling Prognosis Hamilton Shoemaker Prospect Hamilton State #1-16 Page Two

CASING/HOLE SIZE YIELD	CEMENT SLURRY		<u>SX</u>	<u>PPG</u>
5 1/2" – 8 3/4"	Class G cement containing fluid loss additive, bonding agent, and retarder as required.	300	15.8	1 15

NOTE: Prior to cementing, slowly lower mud viscosity to 35-sec funnel viscosity. Circulate hole for 1 hour at this viscosity prior to cementing. Precede cement with 1000 gal mud flush and 30 bbl fresh water spacer. Cement top contingent upon the presence of potentially productive intervals. Actual cement volume to be determined from caliper log. Run pilot tests on proposed cement with actual make-up water. Cement design may be altered depending on actual bottomhole temperatures and the presence of lost circulation. Do not move the casing (under any circumstances) while setting the casing slips.

CEMENTING ACCESSORIES

Surface Casing:

- 1) Guide shoe with insert float located one joint above shoe.
- 2) Top wiper plug (rubber).
- 3) Centralizer with stop ring in middle of shoe joint.
- 4) Centralizers over collars on first three connections, omitting float collar.
- 5) Use a total of five centralizers.

Production Casing:

- 1) Differential-fill float collar located one joint above differential-fill float shoe.
- 2) Top and bottom wiper plug.
- 3) Centralizer with stop-ring in the middle of shoe joint.
- 4) Centralize through and 100' on either side of potentially productive intervals. Run at least 12 centralizers.
- 5) Thread-lock all connections through float collar and use API casing dope on all remaining connections.
- 6) Stage cementing tool may be run to ensure placement of cement across any productive intervals and fresh water sands.
- 7) Centralize above and below stage cementing tool (if run).

WELLHEAD

Casing Head:

9-5/8" x 11" x 3,000 psi WP flanged casing head with two-2" LP outlets. Outlets equipped with one-2" 3,000 psi WP ball valve, and one-2" x 3,000 psi WP bull plug on the outlets.

Tubing Head:

11" x 7-1/16" x 3,000 psi WP tubing head with two-2" LP threaded outlets. Outlets to be equipped with 2" x 3,000 psi WP ball valves.

Upper Half:

To be determined.

Drilling Prognosis Hamilton Shoemaker Prospect Hamilton State #1-16 Page Three

MUD PROGRAM

INTERVAL	WEIGHT (PPG)	VISCOSITY (SEC)	WL (CCS)
0' - 600+'	8.5 - 9.0 ppg	30 - 45 sec	NC

Spud well with fresh water viscosified with Pac Regular. Circulate reserve pit to maintain clear water at the pump suction. Addition of lime and/or a selective flocculant may be made at the flowline to promote solids settling in the reserve pit. Keep hole full and drill pipe moving at all times. Sweep hole with Super Sweep to insure the hole is clean prior to running surface casing.

INTERVAL	WEIGHT (PPG)	VISCOSITY (SEC)	WL (CCS)
600+' - 2500'	8.5 - 9.8 ppg	28 - 34 sec	10 ccs or less

After drilling our surface casing shoe, displace to Synthetic Base Mud, SBM. Reference SBM program for specific maintenance, product concentrations, and mud treatment.

Keep hole full at all times. Monitor pit volume constantly as lost circulation and water flows should be expected at all times. Sweep hole as dictated by hole conditions.

Deviation tendencies in this area should not be severe; however, prudent drilling practices should be adhered to at all times. Surveys should be run at ± 500 ft intervals, unless otherwise indicated.

WELL CONTROL EQUIPMENT

INTERVAL	EQUIPMENT
0'-600+'	None
600+' - 2500'	11" x 3,000 psi WP double-gate BOP with blind and 4-1/2" pipe rams. Rig should be equipped with upper and lower kelly cocks, as well as stabbing valve (have wrench available at all times). BOP equipment will be tested after nipple-up and every 30 days thereafter. (Notify Idaho State field representative prior to testing). Close pipe rams daily and blind rams on trips, recording results on tour sheets.

GEOLOGICAL

Geologist/Mud Logger: Geologist and mud logger with hotwire and chromatograph to be on location to

from top of surface hole to TD. Notify prior to spud and after setting surface

casing.

Electric Logging: Quad Combo (DIL-BHC Sonic-Density-Neutron to be run from base of surface

casing to TD. In addition the GR should be run up through Surface casing to surface. An imaging tool, a Magnetic Resonance tool may also be run and

percussion sidewall cores may be taken at the geologist's discretion.

Drilling Prognosis Hamilton Shoemaker Prospect Hamilton State #1-16 Page Four

GEOLOGICAL (Continued)

Formation Tops:

Assumes KB elevation of 2,340 ft.

FORMATION DEPTH SUB SEA

DRILL

MISCELLENEOUS

- 1. Pump carbide lag prior to running surface casing and prior to drilling out shoe. Pump efficiencies will be calculated from this information. Run frequent carbide lags while drilling to determine degree of hole washout.
- 2. Monitor mud hydraulics closely. An in-gauge hole is extremely critical to achieve open-hole packer seats, interpretable logs, and a good cement bond.
- 3. Water will be hauled or pumped from nearby sources.
- 4. Reserve pit is to be lined with a 12-mil synthetic liner.
- 5. It is anticipated that a mud motor and PDC bit will be used from approximately 600' to TD.
- 6. In general, the above prognosis is presented as a guideline only; and is subject to change as dictated by hole conditions and geological interpretation.

PERSONNEL	OFFICE NUMBER	CELL NUMBER
Ron Richards	303-831-9022	720-209-0207
Jeff Kirn, Manager of Operations	303-831-9022	303-981-7443
Ed Davies, President	303-831-9022	720-641-8737
	Prepared by:	
	Ron Richards for Bridge	Energy Inc.

BRIDGE RESOURCES

SHOEMAKER State #1-16 **WELLBORE DATA SHEET**

LEASE:

Bridge Resources

WELL: LOCATION: Shoemaker State #1-16

Sect 16/Township 7N/Range 4W

Payette County August

SPUD DATE: OBJECTIVE:

Hamilton Sands

TOTAL DEPTH:

SURFACE LOCATION:

2500ft N43-57-09.319*

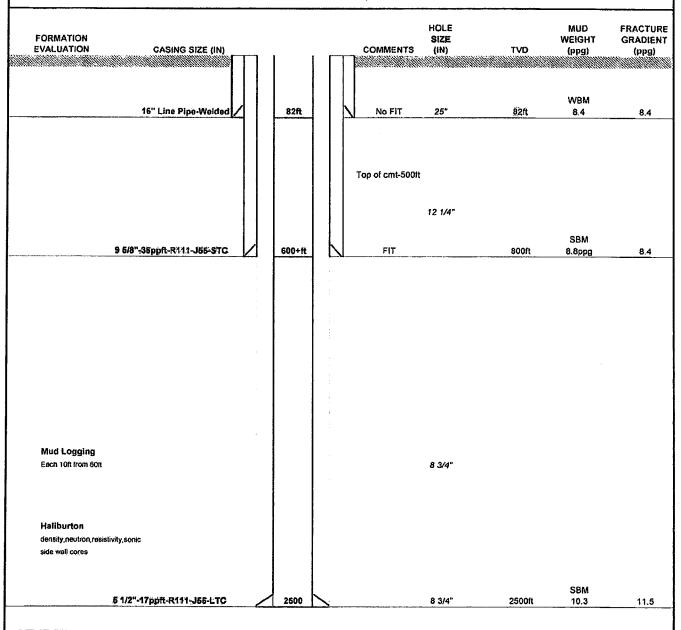
W116-49-49.575°

BOTTOM HOLE LOCATION: N43-57-09.319"

W116-49-49.575"

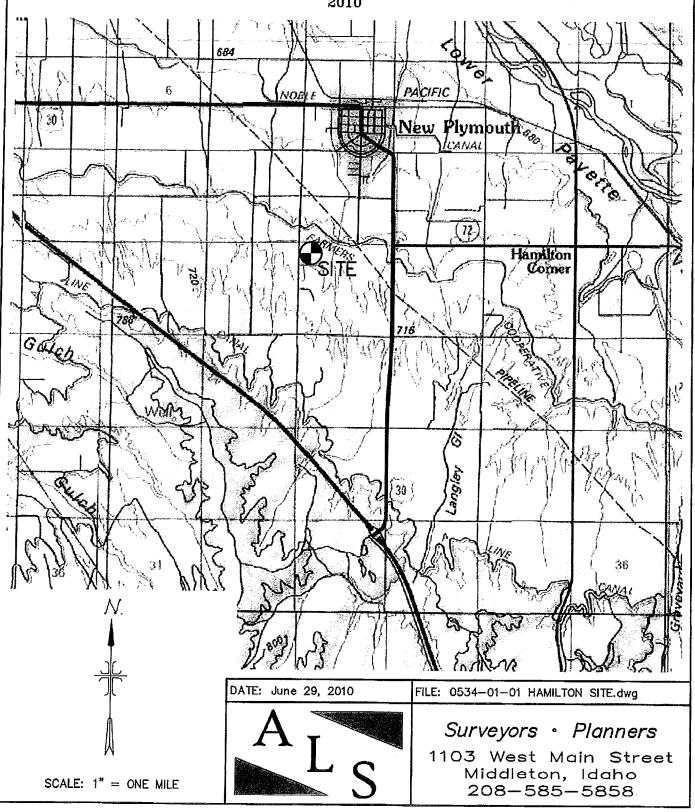
ELEVATION: ELEVATION(KB):

2,322ft 2,340ft



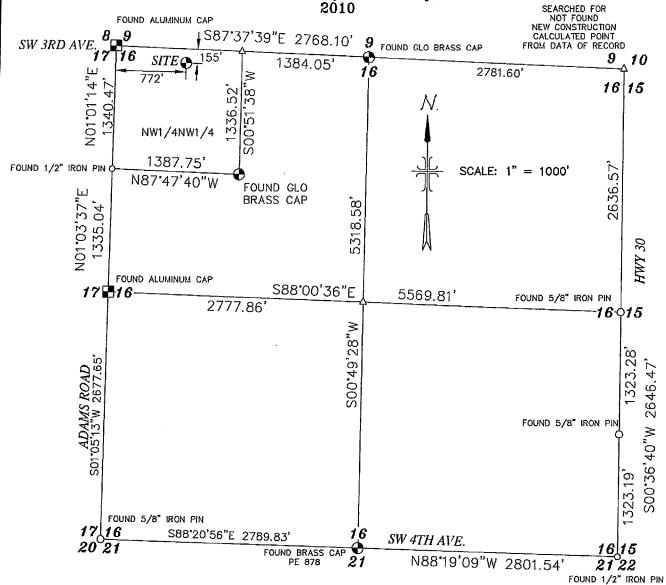
SHOEMAKER 1-16 SITE

Lying in a Portion of the Northwest 1/4 Northwest 1/4 of Section 16, Township 7 North, Range 4 West of the Boise Meridian, Payette County, Idaho 2010



SHOEMAKER 1-16 SITE

Lying in a Portion of the Northwest 1/4 Northwest 1/4 of Section 16, Township 7 North, Range 4 West of the Boise Meridian, Payette County, Idaho





IDAHO WEST NAD 83-GRID BEARINGS N 43°57'09.319" W 116°49'49.575" NAVD 88 VERTICAL DATUM EL.=2312.4'

A L S

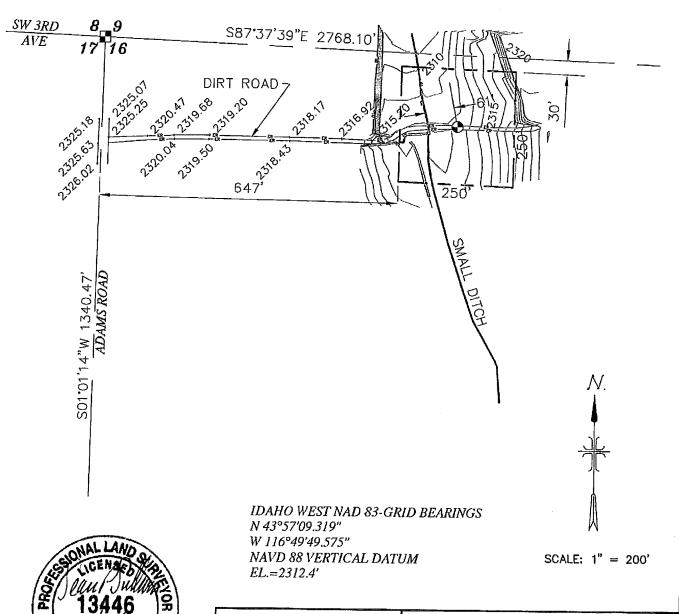
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Surveyors · Planners

1103 West Main Street Middleton, Idaho 208—585—5858

TOPOGRAPHIC MAP OF SHOEMAKER 1-16 SITE

Lying in a Portion of the Northwest 1/4 of the Northwest 1/4 of Section 16, Township 7 North, Range 4 West of the Boise Meridian, Payette County, Idaho 2010





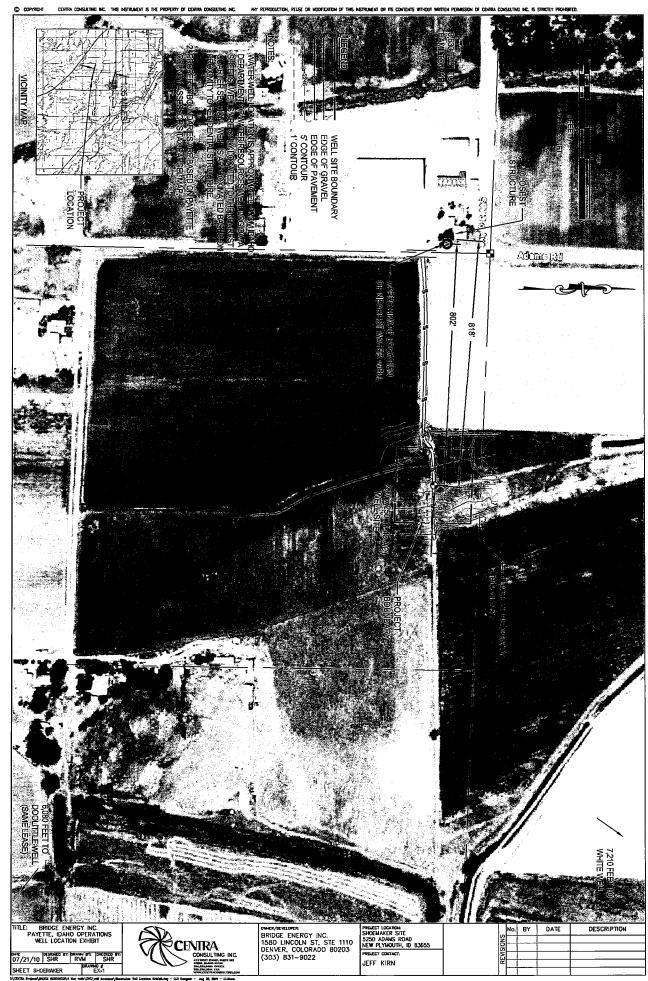
DATE: June 29, 2010

FILE: 0534-01-01 HAMILTON TOPO.dwg



Surveyors · Planners

1103 West Main Street Middleton, Idaho 208-585-5858





MEMORANDUM

August 2, 2010

To: Nancy Welbaum, IDL

From: Ryan V. Morgan; P.E., LEED AP

Cc: Steve West; Jeff Hammel, E.I.

Re: Additional Information for Shoemaker Well.

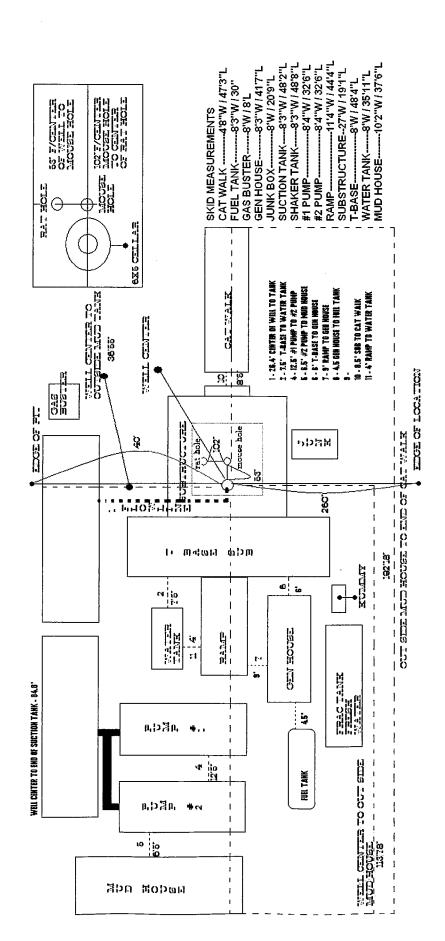
Nancy,

Per your request via email last Friday please find attached the additional information regarding distances from the proposed well to the additional features requested.

Closest Gas Well – 3650' (Hamilton)
Closest Water Well – 740' (residential well located to the west)
Closest Structure – 750' (residential building located to the west)

Please note that the distance to the production boundary is not supplied as this boundary is yet to be determined.

Should you have additional questions please let us know.



UPDATED RIG TUFO

WHS, LLC Razorback Rig Component Listing

The following list contains the components of the 2004 Cameron C-900 Hp, Trailer Mounted Drilling Rig w/ VIN Number (5024). This rig also operates w/ a FDS 150 Ton HMI hydraulic Top Drive.

Qty	Item	Remarks
1	Drawworks - Cameron 42"x 12" Water Circulating Drum w/ water cooled main brake and Wichita water cooled assist brakeWichita Drum Clutch	
1	Power and Drive Package – Twin (2) Detroit Series 60 engines; 450 Hp each w/ Allison 5960 Transmissions into a Cushman 1000 Hp gear driven Compound, to Cushman 1000 Hp RA box; 1:1 Ratio	
1	Mast – PEMCO 120' x 400K lbs hook load; 1.25 API rating; sheaved for 10-1-1/8" drill lines; Serial # 1312	
2	Hydraulic Scoping Cylinder f/ PEMCO derrick	Spare
1	Fluid Design Services (FDS) 150 Ton Hydraulic Top Drive w/ diesel power package.	
1	Hydraulic Motor FDS 150 Ton Top Drive	Spare
1	Block-200 Ton ABCO, 10 line 5 x 36" sheave w/ ABCO Hook	
1	Weight Indicator-Totco type 4	
1	Sub Structure-17'H x 10'W x 16'L w/6' foldout wings. Unit scopes down to 10'6"H x 13'6" on lowboy.	
1	40' Kelly; Hex	
1	Kelly Bushing	
1	Kelly Shuck w/ protector	
1	Sub-structure/T-base-45' x 8'	
1	Sub-structure ramp-48'4" x 10', hydraulic raise-cylinders part # SD83CC-24-131	
1	Top Dog House-24'10" x 7'10.5", hydraulic raise, with knowledge box, lockers, shelfing, and bench seats. Framework installed for Pason Electronic Drilling Recorder and Autodriller computer system.	
1	Kelly Spinner-Cam-tech model 6100 hydraulic Kelly spinner assy.	
	Well Control Equipment-Shaffer LXT DBL 11" x 5K psi MAWP, Dual Ram, hydraulic BOP mfg. Date 11-04, Serial # 200213110-81 Shaffer LTX 11" x 5K psi MAWP spherical annular BOP	

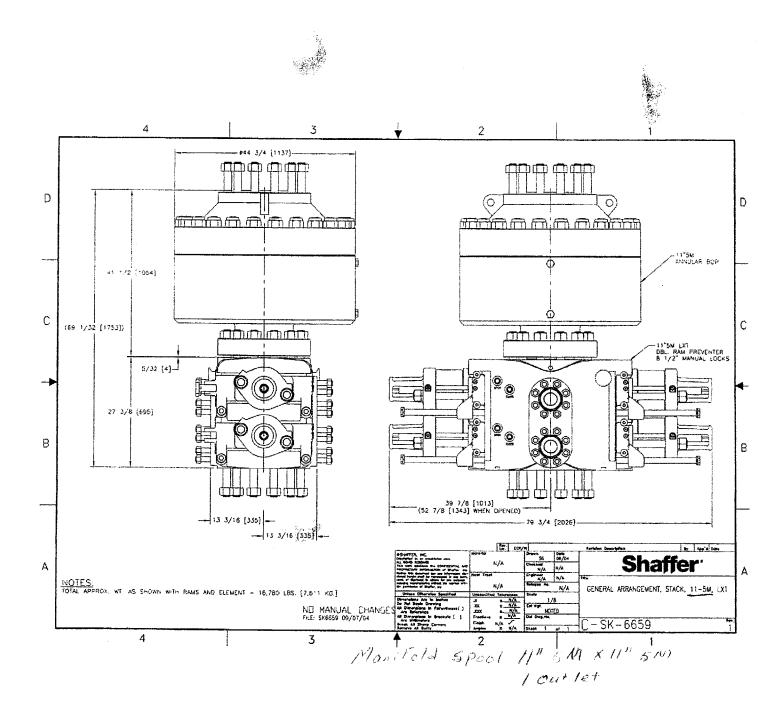
WHS, LLC Razorback Rig Component Listing

Qty	Item	Remarks
1	4-1/16" x 5000 psi BOP valve	
	Choke Manifold, fitted for HCR valve, choke-w/4outlets, 5000 psi	
1	Closing Unit-Massco Inc. 5 station	
2	Generators-DDC 410 KW generators, 277/480 VAC 3 Phase 60 HZ powered by 2 Detroit Series 60 14.0 L Diesel engines/Tier III Emissions standards. Skid mounted in covered house with all electronic panels as 1 unit.	
1	Generator House-44' x 10' skid mounted	
1	Swivel-EMSCO LB 200 Ton Serial # 208	
1	Mud System-2-tank system w/approx. 700 bbls capacity. 60 HP mud mixers, 4 agitators, 4 jet blowers, 70 bbls slugging tank, 2-Doublelife AWD III Linear shale shakers built in tandem, 600 GPM each. Mud Conditioner unit consisting of; 1-Doublelife AWD III shale shaker, 1-Doublelife Mod. I-210 Desander, and 1-Doublelife V-510, 10 cone Desilter.	
2	Mud Pumps-2 HHF-1000 HP triplex pumps w/pulsation dampners, powered by CAT 3412 1150 HP diesel engines, fully unitized. With 6" liners, 10" stroke, pumps will move 3.7 gal/stroke at 100% efficiency. Additional specifications upon request.	
3	American Roller Bearings for CE-F1000 mud pump	Spare
2	SKF Pillar Block bearings for CE-F1000	Spare
1	Mud/Gas Seperator: 30'H x 6' Dia vessel mounted on skid for easy rig up and tear down.	
1	Fresh Water Tank-200 bbl fresh water tank w/electronic 20 HP 480V frame 256T 3 x 2 centrifugal 4 x 6 water pump powered by Detroit 353 (2800 rpm)	
1	Catwalk-47'3" x 10'2" pipe racks	
1	Junk Box-20'9" x 7'10"	
1	Rotary Table-22" IDECO rotary table assy. On 44" centers complete w/split master bushing.	
1	Drill Collar Slips-Type A 5-1/2 MS 98C	
1	Drill Pipe Slips-Wooly M3-98	
1	Drill Collar Clamp(Wedding Band) AOT 12116 5 ½-6 5/8	

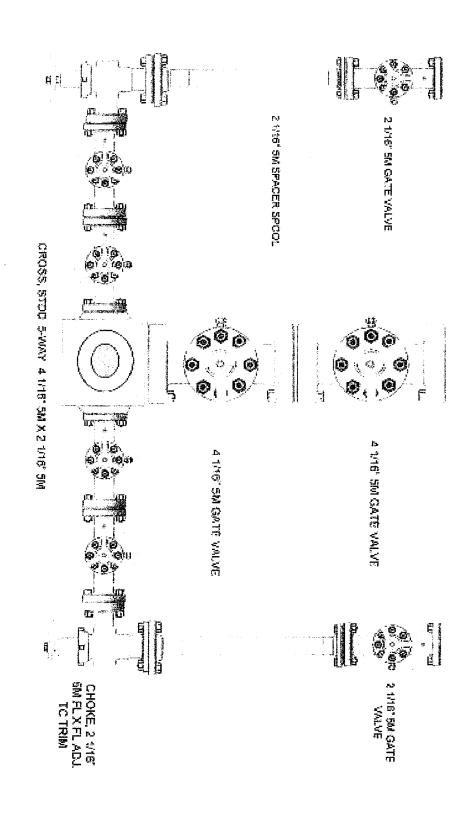
WHS, LLC Razorback Rig Component Listing

Qty	Item	Remarks
	Serial # 29140	
1	Casing Elevators	
	M66-5 ½	
	250 ton 227 MT	
	Drill Pipe Elevators-2-AOT(1) 150 ton(1) 250 ton	
****	Cross Over Subs-Assorted	
1	Survey Machine-Wireline survey machine.	
1	Diesel Tank-8000 gal Cylindrical Tank: Myers diesel tank transfer pump assy. w/3hp 3600rpm explosion proof motor. Skid mounted with 3 compartments for oils on front of skid.	

This rig moves in 27 loads (including pipe). All components are skid mounted and mud-boated with lifting ears to be lifted onto oilfield floats or lowboys. All loads are legal permit loads.



4 1/16" 5M X 2 1/16" 5M CHOKE MANIFOLD



WHS, LLC

RIG FLOOR

BOP Schematic NU on Surface- Razorback Rig

RIG FLOOR

0) HYDRILL 183 1/2" GK 11" 5M 41 1/4" PIPE RAMS
Schaffer 11" 5M
Type LXT B 4-1/2" RAMS 109 1/4" 27 1/2" BLIND RAMS Schaffer 11" 5M Type LXT **BLIND RAMS** MH Center of Choke Line Drilling Cross 26 1/2" 28" above GL 36" **GROUND LEVEL** 27" Below GL TOP OF WELLHEAD DSA11 5Mx3M 5" FROM GL to Bottom of Rotary Beam is 167 1/4"



State of Idaho DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER Governor GARY SPACKMAN Interim Director

July 21, 2010



Nancy Welbaum Idaho Department of Lands, Southwest Supervisory Area 8355 West State Street Boise, ID 83714-6071

RE: Oil and gas exploration well applications from Bridge Energy, LLC, Hamilton Prospect

Ms. Welbaum,

Thank you for providing Idaho Department of Water Resources an opportunity to review and comment on the applications to drill oil and gas exploration wells for the Hamilton Prospect, submitted by Bridge Energy, LLC. Centra Consulting Inc., submitted the drilling prognosis referenced in the applications on July 19, 2010. Having reviewed the applications and drilling prognosis, IDWR submits the following comments for your consideration.

- 1. IDAPA 37.03.09.010.66.c.ii states "holes drilled for oil and gas exploration which are subject to the requirements of Idaho Code 47-320" are not considered a well. Therefore the proposed borings are not subject to permitting requirements of IDAPA 37.03.09.
- 2. IDAPA 37.03.09.045.03 states that excluded borings that are not considered wells still need to comply with the minimum standards for modification, construction, or decommissioning. The proposed borings satisfy the minimum construction standards, however if the hole is not produced for oil or gas, the hole cannot be used for any other purpose and must also be decommissioned in accordance with IDAPA 037.03.09.025.16.
- 3. The well construction diagram indicates a full length annular seal for the 5 ½-inch casing set to 2,500 feet below ground surface. However, the cementing plan indicates the top of cement is contingent on the presence of potentially productive intervals. The annular seal must satisfy the requirement to prevent commingling aquifers of different temperature, pressure, and quality.
- 4. Idaho does not permit Class II injection wells to inject brines and other fluids associated with oil and gas production wells. The applicant should be made aware of this as it may have implications on their production plans.

5. If groundwater is to be pumped to support the drilling activities, as the miscellaneous section of the application indicates, the applicant should contact a water right agent at IDWR to discuss obtaining a temporary permit.

Heisley

Sincerely;

Chad F. Hersley, P.G

Technical Hydrogeologist Resource Protection Bureau

PAYETTE COUNTY

PLANNING AND ZONING

PUBLIC HEARING APPLICATION FOR CONDITIONAL USE, VARIANCE (This is not a business license nor building permit)

Applicant:	Owner of Record:
Name Bridge Energy, Inc.	Name Michael Shoemaker
Address 1580 Lincoln Street, Suite 1110	Address 5250 Adams Road
City Denver State CO Zip 80203	City New Plymouth State ID Zip 83655
Telephone: 303.831.9022 Email Address	jbw@bridgeresourcescorp.com
Mailing Address (If different)	
APPLICATION FOR: (Check One)	
X Conditional Use for Drilling, Com	pletion, and Production Operation as
an Oil and Ga	s Well
Variance for	
SITE INFORMATION:	
Location: Quarter NW Section 16 Township	7N Range 4W Total Acres: 35.63
Site Address/location: Well is located 53	5'FNL and 581'FWL in the NWNW of Sec. 16
Acreage if part of total: 1.5 ac well sit	e Tax Parcel Number: 07N04W163150
Existing Comp Plan Designation: Agricultu	re 1 (AG1)
Existing Zoning: Agricultural (AG)	
I VERIFY THAT I HAVE READ THE FOREGOING A INFORMATION. I HAVE PERSONAL KNOWLEDGE OF APPLICATION UNDER PENALTY OF PERJURY. AN MAY BE GROUNDS TO REVOKE MY APPLICATION.	PPLICATION WHICH MAY INCLUDE ATTACHED THE CONTENTS THEREOF, AND I SIGN THE Y INACCURACIES IN THE INFORMATION PRESENTED
Signature (Applicant) Jodie B. West Manager Land	Signature (Owner of Record)
The Purpose of the Payette County Comprehensive Rights, Agricultural Land, Wildlife and Recreat. Development Within Incorporated Cities.	PLAN INCLUDES THE NEED TO PROTECT PROPERTY ION RESOURCES, AS WELL AS TO ENCOURAGE URBAN TYPE
 Does this land have an irrigation was Number of shares? 109.4 acres If r Irrigation District? Black Canyon I 	ot, is irrigation water available?

2. Flood Plain area? __Zone C

07N04W162790

0006880010

SHOEMAKER DANNY L & NORINE R

5404 ADAMS RD

NEW PLYMOUTH

ID 83655

Street #: 5404 ADAMS RD

07N04W164360

0006890000

WININGER KEVIN & TENNIE M

PO BOX 287

NEW PLYMOUTH

ID 83655

Street #: 5398 ADAMS RD

07N04W171811

0072230000

TAGUE DARRELL N

5251 ADAMS RD

NEW PLYMOUTH

ID 83655-5183

Street #: 5251 ADAMS RD

07N04W164381

0072300000

TALLEY RANDY L

5382 ADAMS RD

NEW PLYMOUTH

ID 83655-5101

Street #: 5382 ADAMS RD

07N04W096291

0078090000

SHOEMAKER MICHAEL F & SANDRA K

5250 ADAMS RD

NEW PLYMOUTH

ID 83655

Street #:

07N04W163601

0082400000

FRY MARTIN W

2321 BROGAN RD

CNANACTT

EMMETT

ID 83617

Street #:

07N04W089450

0091020000

BATES FARREL E

3200 SW 1ST AVE

NEW PLYMOUTH

ID 83655

Street #:

07N04W170451

0006920000

CUSHMAN GARY D

5425 ADAMS RD

NEW PLYMOUTH

ID 83655

Street #: 5425 ADAMS RD

07N04W170021

0006930000

TRIPLE R STABLES & ARENA LLC

2770 SW 1ST AVE

NEW PLYMOUTH

ID 83655

Street #: 5485 ADAMS RD

07N04W096450

0005530000

SHOEMAKER MICHAEL F & SANDRA K

5250 ADAMS RD

NEW PLYMOUTH

ID 83655

Street #:

07N04W163771

0006870000

ADAMS TINA

5386 ADAMS RD

NEW PLYMOUTH

ID 83655

Street #: 5386 ADAMS RD

07N04W162420

0006880000

SHOEMAKER MICHAEL F & SANDRA K

5250 ADAMS RD

NEW PLYMOUTH

ID 83655

Street #:

Grand Total: 12

from the Payette County Assessors Office